

Department of Public Works and Transportation

DIVISION OF SOLID WASTE SERVICES



Bethesda Naval Hospital April 2000 Earth Day Celebration

***MONTHLY REPORT
APRIL 2000***



Printed on Recycled and Recyclable Paper

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OVERVIEW

Tonnage at a Glance

The following table shows key material flows during the current month, during the fiscal years to date (FY Total), and during the current calendar month in the two prior fiscal years. (County fiscal year 2000 began July 1, 1999.)

FACILITY	April FY 00	FY 00 Total	April FY 99	April FY 98
Materials Recycling Facility ⁽¹⁾	5,234 Tons	51,083 Tons	5,032 Tons	5,080 Tons
Brunswick Landfill Facility	11,643 Tons	113,481 Tons	14,534 Tons	12,151 Tons
American Ash Recycling ⁽²⁾	3,113 Tons	30,382 Tons	N/A	N/A
Resource Recovery Facility ⁽³⁾	40,878 Tons	407,263 Tons	37,696 Tons	38,021 Tons
Yard Trim Compost Facility	4,291 Tons	47,7703 Tons	4,806 Tons	5,261 Tons

⁽¹⁾For FY00, MRF tons reported are outgoing. For previous years, incoming was reported.

⁽²⁾Tons shipped out to ash recycling facility during the indicated period. All tons so shipped are recycled.

⁽³⁾RRF tonnage refers to tons burned (processed). Waste shipped from the Transfer Station but not burned is in the pit and is not included in the tonnage presented here. For FY00, these tonnages are preliminary, with adjustments made in the December and June monthly reports.

Revenue Analysis and Systems Evaluation - Completed third quarter revenue review. Worked on Fixed Assets Depreciation Schedule. Reviewed monthly tonnage report for internal consistency. Consolidated recycling processor reports and filtered out tons already otherwise reported. Submitted calendar year 1999 Recycling Report to the State of Maryland under the Maryland Recycling Act. Updated countywide solid waste mass balance, and calculated mid-year FY00 progress on County recycling rates. Prepared numerical crosswalk between State, County and EPA recycling calculation methods, and forwarded to Regional Benchmarking Consortium. Continued field-auditing six-month hauler/collector reports submitted under Regulation 52-98AM. Assisted other offices in reviewing applications and interviewing for open positions. Reviewed and responded to Council staff budget review package. Drafted FY01 rate resolution. Met again with City of Rockville on mixed paper. Drafted additional materials for Variable Rate Feasibility Report and forwarded to Task Force.

CITIZEN COMMITTEES

Facilities Implementation Group (FIG) – The next FIG meeting will be held on May 16, 2000 with a tour of the bagging operation at the compost facility at 7:00 p.m. After the tour, the group will meet at 7:30 p.m. at the Gothic Barn, 20900 Martinsburg Road. The April meeting with Mr. Duncan has been postponed to July 13 at 6:30 p.m. at the EOB.

Solid Waste Advisory Committee – SWAC met Saturday, April 8, at the Gothic Dairy Barn in Dickerson. The committee was briefed on the County's Yard Trim/Compost Facility, Dickerson Solid Waste Master Plan, and the Resource Recovery Facility. The meeting was adjourned early to allow time for site visits to the two facilities. The County Council confirmed nine new SWAC members on April 25.

COLLECTIONS

Refuse – Refuse collections were routine during the month of April with no disruptions to service.

Recycling – Mixed Paper recycling started in Area 5 on Monday, April 24, 2000, adding another 15,675 homes to the program. This brings the current participation house count to 93,098 or 47.3% of our customers. Preparation work has been completed for the Mixed Paper start up in Area 3 on Monday, May 22, 2000. For the month of April, 41,040 lbs. of mixed paper was received at the Saturday drop-offs.

Contractor Performance – During the month, there were 5 complaints not resolved by the contractors. The County corrected all 5 of these issues. The number of complaints received in April 2000 totaled 393. This represents a 27.5% reduction from April 1999, which had a total of 542 complaints.

Enforcement Actions – For the month of April, tickets were issued in the amount of \$5,250.00 for violations of County solid waste laws: 3 tickets were written for no collection tag in the amount of \$1,750.00; 2 tickets were written for no collector's permit in the amount of \$1,000.00 for no covers in place; 4 tickets were written for the sum of \$2,000.00; and 1 ticket for \$500.00 for permitting solid waste to accumulate. Eight Notices of Violations were written for permitting solid waste to accumulate.

Customer Service – There were 5,698 incoming calls with 69 follow-up calls as a quality control check, and 2,391 other miscellaneous services handled by the Customer Service staff. Also, 2,716 recycle bins were delivered.

Volunteer Activities – Master Recycler/Composter program volunteers contributed 236.5 hours of service and reached an audience of approximately 4,104 people. The volunteers handled 509 calls to the recycling hotline with an additional 345 calls coming into the answering machine. The main topics of conversation were Mixed Paper, 19.4%, Household Hazardous Waste, 18.7% and residential questions, 15.7%. The volunteer activities included work at all 6 weekend mixed paper drop-offs, 2 Household Hazardous Waste Collections and several community fairs.

WASTE MINIMIZATION

Drop-off Programs – The Reuse-it Again guide, 3rd edition, will enter its 4th printing in May. This edition is the most popular and comprehensive guide to date. Bids to purchase reusable shopping bags were received and deemed nonresponsive. The County will modify the specification and request a rebid by Procurement. Bags will promote waste reduction through their use and tips printed on the bag.

Department of Environmental Protection's Home Composting and Source Reduction Activities – Full schedule of display ads for Grasscycling currently running in the Gazette and Journal Newspapers.

Television interviews addressing Grasscycling and lawn care/composting on Channel 21 and on Channel 4 (NBC4) with Consumer Reporter Liz Crenshaw.

Began regular environmental gardening column (Green Man) for Gazette Newspapers. Columns will address proper lawn and garden care, from grasscycling and watering, to mulching, composting, and using recycled materials in the garden.

Expanded information resources on website: including a new Natural Landscaping page and improved Grasscycling graphics and step-by-step instructions.

HAZARDOUS WASTE PROGRAMS

Household Hazardous Waste Collection – Fifty-five (55) citizens who could not attend the next scheduled event came to the Transfer Station to drop off household hazardous waste in April. Two HHW events were held, one at the Transfer Station and one at the Germantown Upcounty Services Center. There were an estimated 512 and 260 participants, respectively. Participation at Germantown broke previous records for that site.

Small Quantity Generator (Ecowise) Program – One Ecowise event was held in April. Fifteen (15) companies were in attendance, a record number since 1997.

AIR PERMITS AND ENVIRONMENTAL PROGRAMS

Resource Recovery Facility-CEM Tracking of RRF Operations: – In April, the Continuous Emissions Monitoring System (CEM) indicated that unit #1 and unit #3 were running continuously for the entire month. There were no equipment malfunctions in April that affected unit operations or stack emissions.

The set of ten CEM CDROMS was updated to include CEM data up to April 30, 2000. A new set of ten CDROMS containing stack emissions data from 15 stack tests (including November 1999 stack test) was generated. Copies of both CDROMS are located in the Rockville and Poolesville libraries and were distributed to DSWS staff and citizen committees, including SWAC and FIG.

As of April 30, the RRF has not received the "Title V Air Permit to operate" from MDE. Because the current operation permit will expire on October 31, 2000, Ogden will prepare the renewal application in June for review by the FIG Air Quality Sub-Committee in July. The application will be submitted to MDE in September 2000.

Oaks Landfill Energy Recovery Facility – The Leachate Thermal Treatment System (LTTS) has been operating continuously using approximately 1,800 cubic foot of landfill gas per minute (CFM) to evaporate, on the average, nine gallons of leachate per minute. However, the methane concentration has decreased slightly, from 48% - 50% in March to 45% - 46% in April. The contractor made modifications to the system and is planning to conduct a stack test in June to ascertain the effectiveness of the modifications.

Yard Trim Composting Facility-Consent Agreement Evaluation – One wet sampling event and one five-day dry sampling event were conducted for the spring season under the One-year Evaluation Program required by the Consent Agreement. Two more wet sampling events are planned in May. By the end of April, a total of ten wet sampling events and three dry sampling events were completed. Results obtained so far indicated no exceedances of BOD (Biological Oxygen Demand) and TSS (Total Suspended Solids) discharge permit limits. The sampling program will continue through the end of May 2000. Laboratory analysis of the samples will be completed in June and ENSR is expected to complete the project report in August. DSWS plans to meet with MDE in September to discuss the results of the program.

Facilities Implementation Group (FIG) Air Quality Subcommittee – The FIG Air Quality Subcommittee, which was recently formed, will start reviewing ambient sampling update reports that are prepared by ENSR. Three reports that were prepared by ENSR in FY00 as required by the Dickerson Facilities Master Plan will be distributed to the committee at their May 10 meeting. The remaining three reports will be forthcoming in FY01. The subcommittee will

also review the RRF Title V Air permit application and Annual Air Emissions and Air Toxics Certification Reports prepared by Ogden staff.

Contractual Work – Reviewed ENSR's draft report on Weston's Air Media Ambient Sampling Program for the RRF and made several changes. The report entitled "Review of Roy F. Weston's Air Media Sampling Data for the Montgomery County Resource Recovery Facility and Recommendations for Future Study" was received during the last week of April. ENSR continues work on updating the RRF Health Risk study, Cumulative Impact Study and Epidemiological Study. The following draft reports are available for distribution to the FIG subcommittee.

1. Updated Dispersion and Deposition Modeling Analysis for the RRF.
2. Review of Roy F. Weston's Non-Air Media Sampling Data for the Montgomery County Resource Recovery Facility and Recommendations for Future Study.
3. Review of Roy F. Weston's Air Media Sampling Data for the Montgomery County Resource Recovery Facility and Recommendations for Future Study.

RECYCLING

Public Outreach – Earth “Month” activities concluded on May 4. The entire recycling staff participated in over 15 Earth Day activities, serving over 6,500 people with educational outreach efforts. Two elements of the advertising campaign won Citations of Excellence in the American Advertising Awards 2000. These are the “mountain scene” print ad, and the “balance beam” radio spot. Another award, The ADDY Award was bestowed on the “balance beam” for best local radio spot, and a second ADDY Award was bestowed on the “balance beam” and “motorcycle Murray” combined for best local radio campaign. The comprehensive campaign continues to run. The staff is continuing to provide presentations to community associations and groups on curbside recycling and the mixed paper recycling program.

The SORRT awareness campaign continues. Response has been strong. Calls regarding business recycling and the SORRT Program have increased since the campaign began. The campaign includes a 30-second TV advertisement, two 60-second radio spots, transit advertisements and print advertisements.

A partnership between the Division and the MCPS Department of Facilities Management has been formed to improve the MCPS recycling program and recycling rate throughout the County's public schools.

The new web site address for the County's recycling program is www.MCRecycles.org. Other related web site addresses for specific County recycling programs are: www.SORRT.org and www.TRRAC.org.

Commercial Recycling and Waste Reduction – Staff participated in a full schedule of Earth Day events, remains focused on support to the MCPS recycling program, and is involved in setting up three schools and one administrative office building as model recycling programs. The intent in setting up these model programs is to encourage other MCPS facilities to implement similar programs. The first model program that will be established is the MCPS administrative offices located at 850 Hungerford Drive. Work on the other model programs will begin as soon as the administrative office site is completed.

MCPS Recycling Activities – MCPS recycled 11% of its waste stream during the month of April, maintaining the recycling rate achieved in March.

Multi-Family Recycling – On-site evaluations of recycling programs continue. A campaign to increase awareness of the T.R.R.A.C. (Think Reduce and Recycle at Apartments and Condominiums) Program is under development. The Division continues to conduct a bin effectiveness study.

Mixed Paper Recycling – The refrigerator magnet reminding people of all the items collected for recycling at the curb is being distributed to households that already have mixed paper recycling collection, and to phase-in areas as they receive their start-up information about their new mixed paper recycling service. Vinyl stickers for blue bins are being mailed out in phases. They are designed as postcards. Another outreach effort in support of the mixed paper recycling program is a follow-up telephone survey. This survey is designed to be a short, friendly phone call to ask people about their experience with the new mixed paper recycling program. It is conducted about two weeks after the household's service has begun. The magnet and the vinyl bin sticker have been translated into Spanish and are being reviewed.

FACILITY ACTIVITIES

Resource Recovery Facility – Waste deliveries from the Transfer Station remained high, and two units operated at full load for the entire month. There was 40,878 tons of waste processed at the Facility, averaging 1,363 tons per day.

Scheduled boiler outage activities were conducted on unit #2. Standard outage testing was performed, including boiler tube thickness. The tube testing report will be distributed in late May.

The Facility sold 22,187 mwh during the month, for approximately \$630,000 in revenues.

CSX rail service continues to have lapses. There were a few days of unacceptable service.

There was 3,310 tons of yard material shipped by the rail system this month.

Approximately 3,113 tons of ash was shipped to the American Ash Recycling, Inc. facility in York, PA for recycling.

There were no reportable air or water quality excursions during the month. Ogden's regional environmental engineer was on site several days during the month. The following reports were submitted in the month:

March 2000 water supply report to MDE
First Quarter reports on NPDES discharges and on air emissions.
Air emissions data CDROMs were updated.

Five tours were given to 18 people, including members of SWAC and FIG, MDE representatives, college students and County residents.

Materials Recovery Facility – Approximately 1,816 tons of old newspaper, 1,314 tons of commingled material and 2,104 tons of mixed paper were shipped out after processing.

Review of possible designs for the west wing expansion continued.

Bids for improvements to the pre-sort system were received.

The scale house was repainted, the handicap accessible door to the recycling center was installed and an updated brochure for the recycling center was printed.

Oaks Landfill – The contractor for the Phase II closure construction, Barbella Environmental Technology, Inc., completed placing the last area of geocomposite drainage layer and continued placing soil cover and seeding completed areas. Barbella is approximately 92% complete with the construction work. Most of the remaining work consists of storm water drainage structures, placement of cover soils over the last work area and relocation of excess soils to the Phase I area.

Cherry Hill Construction, the contractor for the Phase I closure construction (about 68 acres on the western side of the landfill) continued preparing base grades and placing bedding layer for the installation of liner in two new subareas later this spring. Cherry Hill is also working on several gabion-lined drainage structures. Construction is approximately 47% done.

Monitoring of the gas migration problem on the north side of the landfill indicates that the three additional extraction wells installed achieved further reductions in methane migration but did not completely remediate the

problem. The County is seeking advice from SCS Engineers Field Services concerning what additional measures may be appropriate.

Transfer Station – Ogden Martin shipped via rail 41,321 tons of processible waste from the Transfer Station to the Resource Recovery Facility, 723 tons fewer than shipped in April 1999.

Litter was collected by MES along Shady Grove Road from Route 355 to the intersection with Muncaster Mill Road.

Work continued on correcting electrical problems affecting outdoor lighting. The contractor for the Nonprocessible Waste facility resumed work on the roof and the structural steel.

Atlantic Builders Group, Inc. investigated the extent of rock encountered along a planned storm water line and new access road to the rail yard associated with the Phase III master plan improvements in the upper lot at the Transfer Station. Atlantic also stripped topsoil from the work area and placed some fill for the road.

Ogden installed more replacement of lighting on the tipping floor to brighten and improve visibility in operational areas.

Site 2 Property Management – DSWS continues with the development of the scope of work to renovate the historic Chiswell farmhouse.

Solid Waste Facilities Master Plan – Inspected plantings at the intersection of Martinsburg and Washe Roads. Fifty (50) trees and 25 shrubs will have to be replanted by TruGreen Landcare in May to bring the survival rate of the plantings to 85%.

Yard Trim Composting Facility – Drafted a new pilot agreement with SCA to start bagging at Dickerson. There were 95,000 bags of Leafgro produced at Dickerson and the Transfer Station in March, 46,300 bags were shipped out. Leaf piles are being broken into windrows in preparation for grass. Facility started receiving grass on April 7th.

Out-of-County Haul

Brunswick County, Virginia – During the month of April, about 7,851 tons of ash residue and 3,792 tons of nonprocessible waste were transported to the County's dedicated disposal cell at the Brunswick Waste Management Facility, Inc. Landfill in Brunswick County, VA. Two thousand and sixty four (2,064) tons of dirt, rock and wood were recycled at Clean Rock in Hagerstown, MD. The amount of rubble material, both DOT-type nonprocessible waste and recyclable dirt, rock, concrete, etc. is much higher than in previous years.

York, Pennsylvania – During the month of April, 3,113 tons of ash residue (back hauled by rail from the RRF) were shipped from the Transfer Station to American Ash Recycling in York, PA to be recycled into aggregate.

Linden Farm Renovations – The project is substantially complete but some items remain to be completed. Remaining construction activities being managed by DFS are in progress.

Phase I of the plantings to screen the Compost Facility from the Linden Farm is complete. The County and Sugarloaf are working with a landscape design firm to complete design of Phase II this fall.

GENERAL INFORMATION

Important Telephone Numbers

General information on solid waste- 240/777-6400

Customer Service- 240/777-6410

Recycling Hotline- 301/590-0046 (Hours of operation: Mon. - Fri., 1:00 - 4:00 PM)

Transfer Station- 301/840-2370

Materials Recovery Facility- 301/417-1447- Maryland Environmental Service

Resource Recovery Facility- 301/349-5685 County Office
301/916-3031 Ogden Martin Systems of Montgomery

Yard Trim Compost Facility- 301/428-8185

Internet for DSWS- www.dpwt.com, then click on Solid Waste Services

Note: All comments, questions, and suggestions on the contents of this report should be addressed to:

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SOLID WASTE FACTS IN A NUTSHELL

<i>TOPIC OR FACILITY</i>	
Current Recycling Rate in Montgomery County	36%
Recycling Goal by 2000	50%
New Recycling Programs Scheduled for FY 00	Implementation of Residential Mixed Paper Collection March 1999- Textile Recycling Pilot began
Resource Recovery Facility (RRF)	Guaranteed Capacity = 85% of 1800 tpd on an annual basis (558,450 tons/yr).
Yard Trim Composting Facility (DCF)	Operations Limited to Receipt of 77,000 tons/year under Sugarloaf Settlement Agreement. FY 99 tons received- 59,800
# Residences receiving trash collection by County contractors	82,599
# Residences receiving collection of recyclables in blue bins and yard waste collection	195,405
Term of out-of-county waste transportation and disposal contract with Brunswick Waste Management Facility, Inc.	June 19, 1997 through June 30, 2012 with an option for a five-year renewal. (Service started on October 20, 1997.)

GLOSSARY OF ACRONYMS

AAR	American Ash Recycling, Inc.
APC	Air Pollution Control
ASME	American Society of Mechanical Engineers
BFI	Browning Ferris Industries
CEM	Continuous Emissions Monitoring
CIP	Capital Improvements Program
COG	Metropolitan Washington Council of Governments
CSX	Chesapeake Transportation Systems
DEP	Department of Environmental Protection
DFS	Division of Facilities and Services
DPS	Department of Permitting Services
DPWT	Department of Public Works and Transportation
DSWS	Division of Solid Waste Services
EPA	Environmental Protection Agency
FIG	Facilities Implementation Group
HCFA	Health Care Financing Administration
HHW	Household Hazardous Waste
IFB	Invitation For Bid
IRS	Internal Revenue Service
LTTS	Leachate Thermal Treatment System
MCPS	Montgomery County Public Schools
MDE	Maryland Department of Environment
MES	Maryland Environmental Service
mg/l	milligrams per liter
MNCPPC	Maryland National Capital Park and Planning Commission
MRF	Materials Recovery Facility
MWH	Mega Watt Hours
NPDES	National Pollution Discharge Elimination System
OMB	Office of Management and Budget
PEPCO	Potomac Electric Power Company
ROL	Reduced Operating Level
RRF	Resource Recovery Facility
SCA	Sugarloaf Citizens Association
SORRT	Smart Organizations Reduce and Recycle Tons
SWAC	Solid Waste Advisory Committee
TCLP	Toxic Characteristic Leaching Procedure
TPD	Tons Per Day
TRRAC	Think Reduce and Recycle at Apartments and Condominiums
WM	Waste Management
YTCF	Yard Trim Composting Facility